

REMARKS

Claims 1-19 are now pending in this Application. The Office Action dated January 6, 2005 rejected Claims 1-5, 8-13, 16, and 17. The Office Action also indicates that Claims 6, 7, 14, 15, 18, and 19 are objected to, but would be allowable if rewritten in independent form.

For expediency while maintaining an opportunity to file a continuation or other related application, and without signifying any limitation in the scope of the invention, Applicants have amended independent Claims 1, 9, and 17 to include the limitations of the corresponding allowable Claims 6, 14, and 18, respectively. Accordingly, Applicants have cancelled Claims 6, 14, and 18. Applicants have further amended Claims 7, 15, and 19 to depend from the amended independent claims rather than from the cancelled claims.

In addition, Applicants have added independent Claim 20, which includes the limitations of the allowable claims, and thus, does not require any additional search. Support for the new claim is found at a number of locations in the specification, including page 4, lines 20-24, page 5, lines 7-27, and page 6, line 1 through page 7, line 30.

Further, Applicants have amended the specification to correct a typographical error in a reference number to a graphical user interface (GUI). A replacement sheet for page 6 is attached. In view of the above amendments, Applicants believe the pending application is in condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

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Respectfully submitted,

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Attachment: replacement page 6

include cluster rebooting program 208. Program 208 is a component for performing operations relating to rebooting a cluster as described herein. Program 208 includes computer-executable instructions for performing processes relating to cluster rebooting.

FIGURE 3 shows an exemplary architecture of a cluster, in accordance with aspects of the invention. As shown in the figure, cluster 300 includes nodes 305, 310, and 315; GUI 320, CLI 325, Configuration Subsystems 335, 340, and 345 and RMB 350.

The GUI and CLI may be configured to present a view of a node(s) within the cluster. RMB 350 distributes information between the nodes within the cluster.

According to one embodiment, GUI 320 is configured to execute on a workstation (not shown) and interact with Configuration Subsystem 325 of device 305. GUI 320 provides a graphical interface to perform operations relating to device 305. One of these operations is performing a reboot of a cluster. CLI 325 provides a command line interface that allows the user to perform operations on device 305 by an application executing on device 305. The GUI and CLI associated with device 305 may also be used to trigger a cluster reboot.

RMB 350 is configured to communicate with device 305 and other devices (device 310 and device 315) within the cluster. RMB 350 may be included within device 305 or it may be separate from device 305. Generally, RMB 350 is used to communicate information between the members of the cluster.

According to one embodiment, the system acquires exclusive authority of the cluster during the reboot process. This helps to prevent more than one user or system from affecting the devices during the reboot.

According to one embodiment, GUI 320 is implemented as a set of Web pages in a browser and a Web Server. The server may operate on a device within the cluster or a device separate from the cluster. The server may operate on all or some of the cluster members.

CLI 325 is a management CLI that presents the cluster information relating to the device and the cluster textually to a user.